

**XLVI CAMBRIDGE
OPHTHALMOLOGICAL SYMPOSIUM**



2016

7th - 9th September

St John's College, Cambridge

Academic Organisers:

Professor Keith Martin & Mr Martin Snead

46th Cambridge Ophthalmological Symposium

The Retinal Ganglion Cell

7th - 9th September, 2016

Co-Chairs: Professor Jonathan Crowston – Melbourne, Australia

& Professor Keith Martin – Cambridge, UK

CPD accreditation points from the Royal College of Ophthalmologists - 18

WEDNESDAY 7TH SEPTEMBER 2016

19:00 Symposium drinks Reception

THURSDAY 8TH SEPTEMBER 2016

08:50	Welcome and introduction	Keith Martin Cambridge, UK
09:00	RGC development	Nick Marsh-Armstrong Baltimore, USA
09:30	Mechanisms of RGC axonal degeneration	Michael Coleman Cambridge, UK
10:00	Protecting RGC	Keith Martin Cambridge, UK
10:30	Coffee	
11:00	Regenerating reptile retinas!	David Williams Cambridge, UK
11:30	Axonal regeneration: challenges and advances	James Fawcett Cambridge, UK
12:00	Mediators of RGC regeneration	Dietmar Fischer Dusseldorf, Germany
12:30	Lunch	

14:00	RGC functional recovery from the lab to the clinic	Jonathan Crowston Melbourne, Australia
14:30	Mitochondrial RGC disease	Marcela Votruba Cardiff, UK
15:00	Retinal ganglion cell dendrite pathology after axonal injury: the interplay between stability and regeneration	Adriana Di Polo Montreal, Canada
15:30	Coffee	
16:00	Electronic interfacing to RGC	Robert MacLaren Oxford, UK
16:30	Melanopsin signalling to the molecular clockwork	Russell Foster Oxford, UK
17:00	CLOSE	
19:00	<i>Musical Interlude, New Music Room</i>	
19:30	<i>Pre-dinner drinks, followed by Symposium Dinner 19:45 in the Hall</i>	

FRIDAY 9TH SEPTEMBER 2016

09:00	Myelination and remyelination	Robin Franklin Cambridge, UK
09:30	The mechanical control of RGC growth	Kristian Franze Cambridge, UK
10:00	Autophagy in RGCs, development, degeneration and aging	Patricia Boya Madrid, Spain
10:30	Coffee	
11:00	Generating RGC by reprogramming	Iqbal Ahmad Omaha, USA
11:30	Imaging RGC apoptosis in humans	Francesca Cordeiro London, UK
12:00	Assessing RGC damage	Balwantray Chauhan Halifax, Canada
12:30	Lunch	
14:00	How can we measure RGC injury?	James Morgan Cardiff, UK
14:30	Biomarkers for glaucoma: from the lab to the clinic	Franz Grus Mainz, Germany
15:00	RGC-related structure and function in clinical practice	David (Ted) Garway-Heath London, UK
15:30	Coffee	
16:00	Stimulating RGC regeneration	Jeffrey Goldberg Stanford, USA
16:30	Prospects for eye transplantation	Joel Schuman Pittsburgh, USA
17:00	CLOSE	